(54) Title: DRIVING AN ACTIVE MATRIX DISPLAY
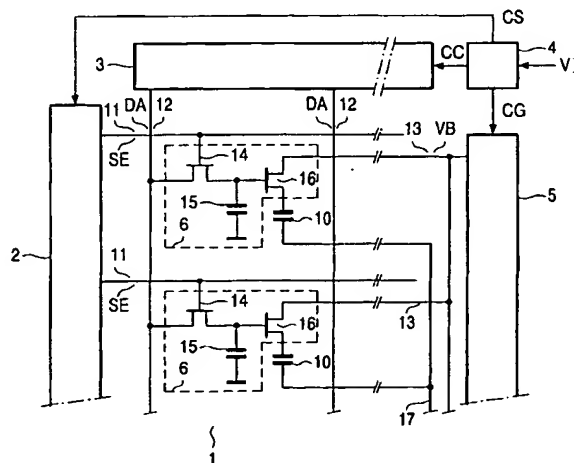
(57) Abstract: The active matrix display comprises a matrix of display pixels (10) which are associated with intersections of crossing select electrodes (11) and control electrodes (12). A select driver (2) supplies a select signal (SE) to the select electrodes (11). A control driver (3) supplies control signals (DA) to the control electrodes (12). A voltage level generator (5) supplies a plurality of different voltage levels (VBi) to level electrodes (13) of the active matrix display. The active matrix display further comprises select circuits (6) which are arranged to selectively couple the voltage levels (VBi) on the voltage level electrodes (13) to the pixels (10) to supply one of the plurality of different voltage levels (VBi) to a particular one of the pixels (10) in dependence on the select signal (SE) and the control signal (DA) associated with this particular pixel (10). The select signal (SE) indicates whether the particular pixel (10) is selected and the control signal (DA) indicates which one of said plurality of different voltage levels (VBi) has to be supplied to the particular one of the pixels (10) when selected.